

=====

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=5; day=2; hr=16; min=33; sec=40; ms=432;]

=====

Reviewer Comments:

PĐİ à;± á

<110> GROSSMAN, ABRAHAM

<120> COMPOSITIONS AND METHODS USED FOR IDENTIFYING FACTORS
REQUIRED FOR THE AGGLOMERATION OF PROTEINS

The first line is a sample of the many non-ASCII characters appearing above the <110> line.

<210> 1

<211> 196

<212> RNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illistrative
sequence of the invention

The above <213> response is invalid, per 1.823 of the Sequence Rules: the only valid responses are: the Genus species of the organism, "Artificial Sequence," or "Unknown" (not "Unknown Organism"). Also, please change the spelling of "Illistrative" in the <223> response to "Illustrative." These errors appear in Sequences 2-6, too.

(end of Sequence 7)

Ser Arg Glu

2355

PAGE

PAGE 10

Please remove the above two lines and the many non-ASCII characters appearing at the end of the submitted file.

Per Sequence Rules, all sequence listing files must be saved in ASCII text format.

Application No: 10524681 Version No: 1.0

Input Set:

Output Set:

Started: 2008-04-21 14:29:54.722
 Finished: 2008-04-21 14:30:09.435
 Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 713 ms
 Total Warnings: 518
 Total Errors: 375
 No. of SeqIDs Defined: 7
 Actual SeqID Count: 7

Error code	Error Description
E 201	Mandatory field data missing in <140>
E 201	Mandatory field data missing in <141>
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 112	Upper case found in data; Found at position(1) SEQID(7)
W 112	Upper case found in data; Found at position(2) SEQID(7)
W 112	Upper case found in data; Found at position(3) SEQID(7)
W 112	Upper case found in data; Found at position(5) SEQID(7)
W 112	Upper case found in data; Found at position(6) SEQID(7)
W 112	Upper case found in data; Found at position(7) SEQID(7)
W 112	Upper case found in data; Found at position(8) SEQID(7)
W 112	Upper case found in data; Found at position(416) SEQID(7)
W 112	Upper case found in data; Found at position(420) SEQID(7)
E 342	'n' position not defined found at POS: 424 SEQID(7)
W 112	Upper case found in data; Found at position(424) SEQID(7)
W 112	Upper case found in data; Found at position(432) SEQID(7)

Input Set:

Output Set:

Started: 2008-04-21 14:29:54.722
Finished: 2008-04-21 14:30:09.435
Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 713 ms
Total Warnings: 518
Total Errors: 375
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

Error code	Error Description
W 112	Upper case found in data; Found at position(450) SEQID(7)
W 112	Upper case found in data; Found at position(453) SEQID(7)
W 112	Upper case found in data; Found at position(459) SEQID(7)
E 342	'n' position not defined found at POS: 461 SEQID(7)
W 112	Upper case found in data; Found at position(465) SEQID(7)
E 342	'n' position not defined found at POS: 467 SEQID(7)
W 112	Upper case found in data; Found at position(479) SEQID(7)
W 112	Upper case found in data; Found at position(493) SEQID(7)
E 342	'n' position not defined found at POS: 495 SEQID(7)
W 112	Upper case found in data; Found at position(499) SEQID(7)
W 112	Upper case found in data; Found at position(506) SEQID(7)
W 112	Upper case found in data; Found at position(510) SEQID(7) This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 994 SEQID(7)
E 342	'n' position not defined found at POS: 1953 SEQID(7)
E 342	'n' position not defined found at POS: 2459 SEQID(7)
E 342	'n' position not defined found at POS: 2498 SEQID(7)
E 342	'n' position not defined found at POS: 2969 SEQID(7)
E 342	'n' position not defined found at POS: 3474 SEQID(7)
E 342	'n' position not defined found at POS: 3487 SEQID(7)
E 342	'n' position not defined found at POS: 4148 SEQID(7)
E 342	'n' position not defined found at POS: 4299 SEQID(7)
E 342	'n' position not defined found at POS: 4552 SEQID(7)

Input Set:

Output Set:

Started: 2008-04-21 14:29:54.722

Finished: 2008-04-21 14:30:09.435

Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 713 ms

Total Warnings: 518

Total Errors: 375

No. of SeqIDs Defined: 7

Actual SeqID Count: 7

Error code	Error Description
E 259	Found undefined lettercode; POS (21292) SEQID(7)
E 259	Found undefined lettercode; POS (21293) SEQID(7)
E 259	Found undefined lettercode; POS (21294) SEQID(7)
E 259	Found undefined lettercode; POS (21295) SEQID(7)
E 259	Found undefined lettercode; POS (21296) SEQID(7)
E 259	Found undefined lettercode; POS (21298) SEQID(7)
E 259	Found undefined lettercode; POS (21299) SEQID(7)
E 259	Found undefined lettercode; POS (21300) SEQID(7)
E 259	Found undefined lettercode; POS (21301) SEQID(7)
E 259	Found undefined lettercode; POS (21302) SEQID(7)
E 259	Found undefined lettercode; POS (21303) SEQID(7)
E 259	Found undefined lettercode; POS (21304) SEQID(7)
E 259	Found undefined lettercode; POS (21306) SEQID(7)
E 259	Found undefined lettercode; POS (21307) SEQID(7)
E 259	Found undefined lettercode; POS (21308) SEQID(7)
E 259	Found undefined lettercode; POS (21309) SEQID(7)
E 259	Found undefined lettercode; POS (21310) SEQID(7)
E 259	Found undefined lettercode; POS (21312) SEQID(7)
E 259	Found undefined lettercode; POS (21313) SEQID(7)
E 259	Found undefined lettercode; POS (21314) SEQID(7) This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 21992 SEQID(7)
E 342	'n' position not defined found at POS: 22232 SEQID(7)

Input Set:

Output Set:

Started: 2008-04-21 14:29:54.722
Finished: 2008-04-21 14:30:09.435
Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 713 ms
Total Warnings: 518
Total Errors: 375
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

Error code	Error Description
E 342	'n' position not defined found at POS: 24003 SEQID(7)
E 342	'n' position not defined found at POS: 28233 SEQID(7)

<210> 1
<211> 196
<212> RNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illistrative
sequence of the invention

<400> 1
gggguuucca accggaauuu gaggggaugcc uaggcauccc ccgugcgucc cuuuacgagg 60
gauugucgac ucuagucgac gucugggcga aaaauguacg agaggaccuu uucgguacag 120
acgguaccug aggggaugccu aggcaucccc cgcgccgguu ucggaccucc agugcguguu 180
accgcacugu cgaccc 196

<210> 2
<211> 221
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illistrative
sequence of the invention

<400> 2
ggggaccccc cggaaggggg gacgaggtgc gggcacctcg tacgggagtt cgaccgtgac 60
gagtcacggg ctagecgttt cgcgctctcc caggtgacgc ctcgtgaaga ggcgcgacct 120
tcgtgcgttt cggcgacgca cgagaaccgc cacgtcgtt cgcagcgtgg ccccttcgcg 180
cagcccgcgtg cgcgaggtga cccccgaagg ggggttcccc a 221

<210> 3
<211> 86
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illistrative
sequence of the invention

<400> 3
gggttcataag cctattcggc ttttaaagga ctttttccc tcgcgtagct agctacgcga 60
ggtgaccccc cgaagggggg tgcccc 86

<210> 4
<211> 130
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illistrative
sequence of the invention

<400> 4
gggttcataag cctattcggc ttcgcgcatg ggaatttgag ggacgatggg gaagtgggag 60

cgcggttttaa aggacctttt tccctcgcggt agctagctac gcgaggtgac cccccgaagg 120
gggggtgcccc 130

<210> 5

<211> 118

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illistrative
sequence of the invention

<400> 5

gggttcataag cctattcggc ttcgcgccccg ttataataac ttagtgagcg cgttttaaag 60
gacctttttc cctcgcgtag ctagctacgc gaggtgaccc cccgaagggg ggtgcccc 118

<210> 6

<211> 118

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illistrative
sequence of the invention

<400> 6

gggttcataag cctattcggc ttcgcgcccc tggggtttgc ctcaggagcg cgttttaaag 60
gacctttttc ccttgcgtag ctagctacgc gaggtgaccc cccgaagggg ggtgcccc 118

<210> 7

<211> 2355

<212> PRT

<213> Homo sapiens

<400> 7

Met Leu Arg Gly Pro Gly Pro Gly Leu Leu Leu Ala Val Gln Cys
1 5 10 15

Leu Gly Thr Ala Val Pro Ser Thr Gly Ala Ser Lys Ser Lys Arg Gln
20 25 30

Ala Gln Gln Met Val Gln Pro Gln Ser Pro Val Ala Val Ser Gln Ser
35 40 45

Lys Pro Gly Cys Tyr Asp Asn Gly Lys His Tyr Gln Ile Asn Gln Gln
50 55 60

Trp Glu Arg Thr Tyr Leu Gly Asn Ala Leu Val Cys Thr Cys Tyr Gly
65 70 75 80

Gly Ser Arg Gly Phe Asn Cys Glu Ser Lys Pro Glu Ala Glu Glu Thr
85 90 95

Cys Phe Asp Lys Tyr Thr Gly Asn Thr Tyr Arg Val Gly Asp Thr Tyr

100	105	110
Glu Arg Pro Lys Asp Ser Met Ile Trp Asp Cys Thr Cys Ile Gly Ala		
115	120	125
Gly Arg Gly Arg Ile Ser Cys Thr Ile Ala Asn Arg Cys His Glu Gly		
130	135	140
Gly Gln Ser Tyr Lys Ile Gly Asp Thr Trp Arg Arg Pro His Glu Thr		
145	150	155
160		
Gly Gly Tyr Met Leu Glu Cys Val Cys Leu Gly Asn Gly Lys Gly Glu		
165	170	175
Trp Thr Cys Lys Pro Ile Ala Glu Lys Cys Phe Asp His Ala Ala Gly		
180	185	190
Thr Ser Tyr Val Val Gly Glu Thr Trp Glu Lys Pro Tyr Gln Gly Trp		
195	200	205
Met Met Val Asp Cys Thr Cys Leu Gly Glu Gly Ser Gly Arg Ile Thr		
210	215	220
Cys Thr Ser Arg Asn Arg Cys Asn Asp Gln Asp Thr Arg Thr Ser Tyr		
225	230	235
240		
Arg Ile Gly Asp Thr Trp Ser Lys Lys Asp Asn Arg Gly Asn Leu Leu		
245	250	255
Gln Cys Ile Cys Thr Gly Asn Gly Arg Gly Glu Trp Lys Cys Glu Arg		
260	265	270
His Thr Ser Val Gln Thr Thr Ser Ser Gly Ser Gly Pro Phe Thr Asp		
275	280	285
Val Arg Ala Ala Val Tyr Gln Pro Gln Pro His Pro Gln Pro Pro Pro		
290	295	300
Tyr Gly His Cys Val Thr Asp Ser Gly Val Val Tyr Ser Val Gly Met		
305	310	315
320		
Gln Trp Leu Lys Thr Gln Gly Asn Lys Gln Met Leu Cys Thr Cys Leu		
325	330	335
Gly Asn Gly Val Ser Cys Gln Glu Thr Ala Val Thr Gln Thr Tyr Gly		
340	345	350
Gly Asn Ser Asn Gly Glu Pro Cys Val Leu Pro Phe Thr Tyr Asn Gly		
355	360	365
Arg Thr Phe Tyr Ser Cys Thr Thr Glu Gly Arg Gln Asp Gly His Leu		
370	375	380
Trp Cys Ser Thr Thr Ser Asn Tyr Glu Gln Asp Gln Lys Tyr Ser Phe		
385	390	395
400		

Cys Thr Asp His Thr Val Leu Val Gln Thr Arg Gly Gly Asn Ser Asn		
405	410	415
Gly Ala Leu Cys His Phe Pro Phe Leu Tyr Asn Asn His Asn Tyr Thr		
420	425	430
Asp Cys Thr Ser Glu Gly Arg Arg Asp Asn Met Lys Trp Cys Gly Thr		
435	440	445
Thr Gln Asn Tyr Asp Ala Asp Gln Lys Phe Gly Phe Cys Pro Met Ala		
450	455	460
Ala His Glu Glu Ile Cys Thr Thr Asn Glu Gly Val Met Tyr Arg Ile		
465	470	475
Gly Asp Gln Trp Asp Lys Gln His Asp Met Gly His Met Met Arg Cys		
485	490	495
Thr Cys Val Gly Asn Gly Arg Gly Glu Trp Thr Cys Ile Ala Tyr Ser		
500	505	510
Gln Leu Arg Asp Gln Cys Ile Val Asp Asp Ile Thr Tyr Asn Val Asn		
515	520	525
Asp Thr Phe His Lys Arg His Glu Glu Gly His Met Leu Asn Cys Thr		
530	535	540
Cys Phe Gly Gln Gly Arg Gly Arg Trp Lys Cys Asp Pro Val Asp Gln		
545	550	555
Cys Gln Asp Ser Glu Thr Gly Thr Phe Tyr Gln Ile Gly Asp Ser Trp		
565	570	575
Glu Lys Tyr Val His Gly Val Arg Tyr Gln Cys Tyr Cys Tyr Gly Arg		
580	585	590
Gly Ile Gly Glu Trp His Cys Gln Pro Leu Gln Thr Tyr Pro Ser Ser		
595	600	605
Ser Gly Pro Val Glu Val Phe Ile Thr Glu Thr Pro Ser Gln Pro Asn		
610	615	620
Ser His Pro Ile Gln Trp Asn Ala Pro Gln Pro Ser His Ile Ser Lys		
625	630	635
Tyr Ile Leu Arg Trp Arg Pro Lys Asn Ser Val Gly Arg Trp Lys Glu		
645	650	655
Ala Thr Ile Pro Gly His Leu Asn Ser Tyr Thr Ile Lys Gly Leu Lys		
660	665	670
Pro Gly Val Val Tyr Glu Gly Gln Leu Ile Ser Ile Gln Gln Tyr Gly		
675	680	685
His Gln Glu Val Thr Arg Phe Asp Phe Thr Thr Thr Ser Thr Ser Thr		
690	695	700

Pro	Val	Thr	Ser	Asn	Thr	Val	Thr	Gly	Glu	Thr	Thr	Pro	Phe	Ser	Pro
705					710					715					720
Leu	Val	Ala	Thr	Ser	Glu	Ser	Val	Thr	Glu	Ile	Thr	Ala	Ser	Ser	Phe
				725					730					735	
Val	Val	Ser	Trp	Val	Ser	Ala	Ser	Asp	Thr	Val	Ser	Gly	Phe	Arg	Val
			740					745					750		
Glu	Tyr	Glu	Leu	Ser	Glu	Glu	Gly	Asp	Glu	Pro	Gln	Tyr	Leu	Asp	Leu
		755					760					765			
Pro	Ser	Thr	Ala	Thr	Ser	Val	Asn	Ile	Pro	Asp	Leu	Leu	Pro	Gly	Arg
	770					775					780				
Lys	Tyr	Ile	Val	Asn	Val	Tyr	Gln	Ile	Ser	Glu	Asp	Gly	Glu	Gln	Ser
785				790						795					800
Leu	Ile	Leu	Ser	Thr	Ser	Gln	Thr	Thr	Ala	Pro	Asp	Ala	Pro	Pro	Asp
			805						810					815	
Pro	Thr	Val	Asp	Gln	Val	Asp	Asp	Thr	Ser	Ile	Val	Val	Arg	Trp	Ser
			820					825					830		
Arg	Pro	Gln	Ala	Pro	Ile	Thr	Gly	Tyr	Arg	Ile	Val	Tyr	Ser	Pro	Ser
		835					840					845			
Val	Glu	Gly	Ser	Ser	Thr	Glu	Leu	Asn	Leu	Pro	Glu	Thr	Ala	Asn	Ser
	850					855					860				
Val	Thr	Leu	Ser	Asp	Leu	Gln	Pro	Gly	Val	Gln	Tyr	Asn	Ile	Thr	Ile
865					870					875					880
Tyr	Ala	Val	Glu	Glu	Asn	Gln	Glu	Ser	Thr	Pro	Val	Val	Ile	Gln	Gln
			885						890					895	
Glu	Thr	Thr	Gly	Thr	Pro	Arg	Ser	Asp	Thr	Val	Pro	Ser	Pro	Arg	Asp
			900					905					910		
Leu	Gln	Phe	Val	Glu	Val	Thr	Asp	Val	Lys	Val	Thr	Ile	Met	Trp	Thr
		915					920					925			
Pro	Pro	Glu	Ser	Ala	Val	Thr	Gly	Tyr	Arg	Val	Asp	Val	Ile	Pro	Val
	930					935					940				
Asn	Leu	Pro	Gly	Glu	His	Gly	Gln	Arg	Leu	Pro	Ile	Ser	Arg	Asn	Thr
945					950					955					960
Phe	Ala	Glu	Val	Thr	Gly	Leu	Ser	Pro	Gly	Val	Thr	Tyr	Tyr	Phe	Lys
			965						970					975	
Val	Phe	Ala	Val	Ser	His	Gly	Arg	Glu	Ser	Lys	Pro	Leu	Thr	Ala	Gln
			980					985					990		
Gln	Thr	Thr	Lys	Leu	Asp	Ala	Pro	Thr	Asn	Leu	Gln	Phe	Val	Asn	Glu
		995					1000					1005			

Thr Asp Ser Thr Val Leu Val Arg Trp Thr Pro Pro Arg Ala Gln Ile
 1010 1015 1020

Thr Gly Tyr Arg Leu Thr Val Gly Leu Thr Arg Arg Gly Gln Pro Arg
 1025 1030 1035 1040

Gln Tyr Asn Val Gly Pro Ser Val Ser Lys Tyr Pro Leu Arg Asn Leu
 1045 1050 1055

Gln Pro Ala Ser Glu Tyr Thr Val Ser Leu Val Ala Ile Lys Gly Asn
 1060 1065 1070

Gln Glu Ser Pro Lys Ala Thr Gly Val Phe Thr Thr Leu Gln Pro Gly
 1075 1080 1085

Ser Ser Ile Pro Pro Tyr Asn Thr Glu Val Thr Glu Thr Thr Ile Val
 1090 1095 1100

Ile Thr Trp Thr Pro Ala Pro Arg Ile Gly Phe Lys Leu Gly Val Arg
 1105 1110 1115 1120

Pro Ser Gln Gly Gly Glu Ala Pro Arg Glu Val Thr Ser Asp Ser Gly
 1125 1130 1135

Ser Ile Val Val Ser Gly Leu Thr Pro Gly Val Glu Tyr Val Tyr Thr
 1140 1145 1150

Ile Gln Val Leu Arg Asp Gly Gln Glu Arg Asp Ala Pro Ile Val Asn
 1155 1160 1165

Lys Val Val Thr Pro Leu Ser Pro Pro Thr Asn Leu His Leu Glu Ala
 1170 1175 1180

Asn Pro Asp Thr Gly Val Leu Thr Val Ser Trp Glu Arg Ser Thr Thr
 1185 1190 1195 1200

Pro Asp Ile Thr Gly Tyr Arg Ile Thr Thr Thr Pro Thr Asn Gly Gln
 1205 1210 1215

Gln Gly Asn Ser Leu Glu Glu Val Val His Ala Asp Gln Ser Ser Cys
 1220 1225 1230

Thr Phe Asp Asn Leu Ser Pro Gly Leu Glu Tyr Asn Val Ser Val Tyr
 1235 1240 1245

Thr Val Lys Asp Asp Lys Glu Ser Val Pro Ile Ser Asp Thr Ile Ile
 1250 1255 1260

Pro Ala Val Pro Pro Pro Thr Asp Leu Arg Phe Thr Asn Ile Gly Pro
 1265 1270 1275 1280

Asp Thr Met Arg Val Thr Trp Ala Pro Pro Pro Ser Ile Asp Leu Thr
 1285 1290 1295

Asn Phe Leu Val Arg Tyr Ser Pro Val Lys Asn Glu Glu Asp Val Ala
 1300 1305 1310

Glu Leu Ser Ile Ser Pro Ser Asp Asn Ala Val Val Leu Thr Asn Leu			
1315	1320	1325	
Leu Pro Gly Thr Glu Tyr Val Val Ser Val Ser Ser Val Tyr Glu Gln			
1330	1335	1340	
His Glu Ser Thr Pro Leu Arg Gly Arg Gln Lys Thr Gly Leu Asp Ser			
1345	1350	1355	1360
Pro Thr Gly Ile Asp Phe Ser Asp Ile Thr Ala Asn Ser Phe Thr Val			
1365	1370	1375	
His Trp Ile Ala Pro Arg Ala Thr Ile Thr Gly Tyr Arg Ile Arg His			
1380	1385	1390	
His Pro Glu His Phe Ser Gly Arg Pro Arg Glu Asp Arg Val Pro His			
1395	1400	1405	
Ser Arg Asn Ser Ile Thr Leu Thr Asn Leu Thr Pro Gly Thr Glu Tyr			
1410	1415	1420	
Val Val Ser Ile Val Ala Leu Asn Gly Arg Glu Glu Ser Pro Leu Leu			
1425	1430	1435	1440
Ile Gly Gln Gln Ser Thr Val Ser Asp Val Pro Arg Asp Leu Glu Val			
1445	1450	1455	
Val Ala Ala Thr Pro Thr Ser Leu Leu Ile Ser Trp Asp Ala Pro Ala			
1460	1465	1470	
Val Thr Val Arg Tyr Tyr Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn			
1475	1480	1485	
Ser Pro Val Gln Glu Phe Thr Val Pro Gly Ser Lys Ser Thr Ala Thr			
1490	1495	1500	
Ile Ser Gly Leu Lys Pro Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala			
1505	1510	1515	1520
Val Thr Gly Arg Gly Asp Ser Pro Ala Ser Ser Lys Pro Ile Ser Ile			
1525	1530	1535	
Asn Tyr Arg Thr Glu Ile Asp Lys Pro Ser Gln Met Gln Val Thr Asp			
1540	1545	1550	
Val Gln Asp Asn Ser Ile Ser Val Lys Trp Leu Pro Ser Ser Ser Pro			
1555	1560	1565	
Val Thr Gly Tyr Arg Val Thr Thr Thr Pro Lys Asn Gly Pro Gly Pro			
1570	1575	1580	
Thr Lys Thr Lys Thr Ala Gly Pro Asp Gln Thr Glu Met Thr Ile Glu			
1585	1590	1595	1600
Gly Leu Gln Pro Thr Val Glu Tyr Val Val Ser Val Tyr Ala Gln Asn			
1605	1610	1615	

Pro Ser Gly Glu Ser Gln Pro Leu Val Gln Thr Ala Val Thr Asn Ile			
1620	1625	1630	
Asp Arg Pro Lys Gly Leu Ala Phe Thr Asp Val Asp Val Asp Ser Ile			
1635	1640	1645	
Lys Ile Ala Trp Glu Ser Pro Gln Gly Gln Val Ser Arg Tyr Arg Val			
1650	1655	1660	
Thr Tyr Ser Ser Pro Glu Asp Gly Ile His Glu Leu Phe Pro Ala Pro			
1665	1670	1675	1680
Asp Gly Glu Glu Asp Thr Ala Glu Leu Gln Gly Leu Arg Pro Gly Ser			
1685	1690	1695	
Glu Tyr Thr Val Ser Val Val Ala Leu His Asp Asp Met Glu Ser Gln			
1700	1705	1710	
Pro Leu Ile Gly Thr Gln Ser Thr Ala Ile Pro Ala Pro Thr Asp Leu			
1715	1720	1725	
Lys Phe Thr Gln Val Thr Pro Thr Ser Leu Ser Ala Gln Trp Thr Pro			
1730	1735	1740	
Pro Asn Val Gln Leu Thr Gly Tyr Arg Val Arg Val Thr Pro Lys Glu			
1745	1750	1755	1760
Lys Thr Gly Pro Met Lys Glu Ile Asn Leu Ala Pro Asp Ser Ser Ser			
1765	1770	1775	
Val Val Val Ser Gly Leu Met Val Ala Thr Lys Tyr Glu Val Ser Val			
1780	1785	1790	
Tyr Ala Leu Lys Asp Thr Leu Thr Ser Arg Pro Ala Gln Gly Val Val			
1795	1800	1805	
Thr Thr Leu Glu Asn Val Ser Pro Pro Arg Arg Ala Arg Val Thr Asp			
1810	1815	1820	
Ala Thr Glu Thr Thr Ile Thr Ile Ser Trp Arg Thr Lys Thr Glu Thr			
1825	1830	1835	1840
Ile Thr Gly Phe Gln Val Asp Ala Val Pro Ala Asn Gly Gln Thr Pro			
1845	1850		